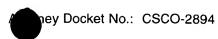


Declaration and Power of Attorney for a Patent Application

Declaration

MULTIMEDIA B2	B OPPORTUNITY AND ERRO	R DETECTION	AND RESOLUTION	N ENGINE	
the specification	of which:				
x is attached was filed or was a	hereto, or nas app amended on)	: and	
	t I have reviewed and underst ended by any amendment refe			tified specification, inclu	uding
	e duty to disclose information v Title 37, Code of Federal Regu			of this application in	
Foreign Prio	ority Claim				
for patent or inver	eign priority benefits under Tit ntor's certificate listed below a ate having a filing date before t	nd have also ide	entified below any fo	reign application for pa	
Number	Country	Date Filed	Priority Claimed		
			yes	no	
			yes	no	
U.S. Priority	Claim				
application(s) liste in the prior United Section 112, I ack Regulations, Sec	e benefit under Title 35, United ed below and, insofar as the su I States application in the man knowledge the duty to disclose tion 1.56(a) which occurred be filing date of this application:	ubject matter of enter provided by material inform	each of the claims o the first paragraph nation as defined in	f this application is not o of Title 35, United State Title 37, Code of Federa	disclosed es Code, al
Serial Number	Filing Date	Status	s (patented/pendin	g/abandoned)	



As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent Trademark Office connected therewith.

James P. Hao	Registration No.: 36,398
Anthony C. Murabito	Registration No.: 35,295
John P. Wagner	Registration No.: 35,398
Glenn D. Barnes	Registration No.: 42,293
Rick G. Brewster	Registration No.: 35,077
Thomas M. Catale	Registration No.: 46,434
Jose S. Garcia	Registration No.: 43,628
Kenneth N. Glass	Registration No.: 42,587
Lin C. Hsu	Registration No.: 46,315
Patrick W. Ma	Registration No.: 44,215
Ronald M. Pomerenke	Registration No.: 43,009
John F. Ryan	Registration No.: 47,050
William A. Zarbis	Registration No.: 46,120
Matthew J. Blecher	Registration No.: 46,558
Lawrence R. Goerke	Registration No.: 45,927

Send Correspondence to:

WAGNER, MURABITO & HAO LLP
Two North Market Street

Third Floor
San Jose, California 95113
(408) 938-9060

Signatures

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventor: Mark Buonanno					
Inventor's Signature XD, MW LG, Burn am no Date Residence Sunnyvale, CA 94087 Citizenship USA	× 14/09/00				
(City State)	······································				
P.O. Address 1113 Knickerbocker Drive, Sunnyvale, CA 94087	•				
Full Name of Second/Joint Inventor: Chris Shenefiel					
Full Name of Second/Joint Inventor: Chris Shenefiel					

Page 2

Full Name of Third/Joint Inventor:	Michael S	Swailes	
Inventor's Signature			Date
Inventor's Signature Residence Pleasanton, CA (City Sta		Citizenship	USA
(City Sta	ate)		
P.O. Address 1962 Nicosia	Court, Plea	santon, CA 94566	
Full Name of Fourth/Joint Inventor:	Stephen (Ouatrano	
		T	
Inventor's Signature			Date
Inventor's Signature Residence	••••••	Citizenship	***************************************
(City Sta	ate)	•••••••••••••••••••••••••••••••••••••••	
P.O. Address	••••		
Full Name of Fifth/Joint Inventor:	Brian Car	rier	
Inventor's Signature			Date
Inventor's Signature Residence <u>Leesburg, VA</u>		Citizenship	USA
· (City St	ate)		
(City St. P.O. Address 622 Diskin P	lace, Leesbu	rg, VA 20175	***************************************



ney Docket No.: CSCO-2894

Declaration and Power of Attorney for a Patent Application

Declaration

MULTIMEDIA B2B OP	PORTUNITY AND ERRO	R DETECTION	AND RESOLUTIO	N ENGINE
the specification of which	ch:			
x is attached hereto was filed on was amend	as app	lication serial no.		: and
	ve reviewed and underst I by any amendment refe			ntified specification, including
I acknowledge the duty accordance with Title 3	to disclose information w 7, Code of Federal Regu	hich is material lations, Section	to the examination 1.56(a).	of this application in
Foreign Priority	Claim			
for patent or inventor's		nd have also ide	ntified below any f	119 of any foreign application(s oreign application for patent or ority is claimed:
Number	Country	Date Filed	Priority Claimed	
			yes	no
			yes	no
U.S. Priority Cla	im			
application(s) listed below in the prior United State Section 112, I acknowled	ow and, insofar as the su es application in the man edge the duty to disclose 56(a) which occurred be	bject matter of e ner provided by material informa	ach of the claims on the first paragraph ation as defined in	19(e) of any United States of this application is not disclosed of Title 35, United States Code Title 37, Code of Federal pplication and the national or
Serial Number	Filing Date	Status	(patented/pendir	ng/abandoned)



As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent Trademark Office connected therewith.

James P. Hao	Registration No.: 36,398
Anthony C. Murabito	Registration No.: 35,295
John P. Wagner	Registration No.: 35,398
Glenn D. Barnes	Registration No.: 42,293
Rick G. Brewster	Registration No.: 35,077
Thomas M. Catale	Registration No.: 46,434
Jose S. Garcia	Registration No.: 43,628
Kenneth N. Glass	Registration No.: 42,587
Lin C. Hsu	Registration No.: 46,315
Patrick W. Ma	Registration No.: 44,215
Ronald M. Pomerenke	Registration No.: 43,009
John F. Ryan	Registration No.: 47,050
William A. Zarbis	Registration No.: 46,120
Matthew J. Blecher	Registration No.: 46,558
Lawrence R. Goerke	Registration No.: 45,927

Send Correspondence to:

WAGNER, MURABITO & HAO LLP

Two North Market Street
Third Floor
San Jose, California 95113
(408) 938-9060

Signatures

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Inventor: Mark	Buonanno
Inventor's Signature	Date
Residence	Citizenship
(City State)	
P.O. Address	
Full Name of Second/Joint Inventor:ch	ris Shenefiel
Inventor's Signature x Ch Ma	mfl Date x11-9-2000
Residence Oakton, VA	<i>U</i> Citizenship US
(City State)	
P.O. Address 2807 Rifel Ridge I	Road, Oakton, VA 22124

Full Name of Th	ird/Joint Inventor	Michael	Swailes		
Inventor's Signa	ature			Date	
Residence			Citizenshii	`	
P.O. Address		State)	•		
		-		11	• 4 °
Full Name of Fo	ourth/Joint Invent	or: Stephen	Quatrano		
Inventor's Signa	ature			_ Date	
Residence			Citizenshi)	
P.O. Address	(City	State)	·		
Full Name of Fit	fth/Joint Inventor:	Brian Ca	rrier		
Inventor's Signa	ature				
Residence			Citizenshi	o	
P.O. Address	(City	State)		•••••	



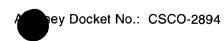


ey Docket No.: CSCO-2894

Declaration and Power of Attorney for a Patent Application

Declaration

MULTIMEDIA B2B O	PPORTUNITY AND ERRO	R DETECTION	AND RESOLUTION	ON ENGINE
the specification of wh	ich:			
x is attached here was filed on was amer	to, or as app nded on	lication serial no	·	: : and
I hereby state that I hat the claims, as amende	ave reviewed and understed by any amendment refe	and the content erred to above; a	s of the above ide	entified specification, including
	y to disclose information w 37, Code of Federal Regu			n of this application in
Foreign Priority	Claim			
for patent or inventor's		nd have also ide	ntified below any	n 119 of any foreign application(s) foreign application for patent or ority is claimed:
Number	Country	Date Filed	Priority Claimed	l ·
			yes	no
			yes	no
U.S. Priority CI	aim			
application(s) listed be in the prior United Stat Section 112, I acknow Regulations, Section 1	low and, insofar as the su tes application in the man ledge the duty to disclose	bject matter of e ner provided by material inform	each of the claims the first paragrap ation as defined in	99(e) of any United States of this application is not disclosed h of Title 35, United States Code, n Title 37, Code of Federal application and the national or
Serial Number	Filing Date	Status	(patented/pend	ing/abandoned)



As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent Trademark Office connected therewith.

James P. Hao	Registration No.: 36,398
Anthony C. Murabito	Registration No.: 35,295
John P. Wagner	Registration No.: 35,398
Glenn D. Barnes	Registration No.: 42,293
Rick G. Brewster	Registration No.: 35,077
Thomas M. Catale	Registration No.: 46,434
Jose S. Garcia	Registration No.: 43,628
Kenneth N. Glass	Registration No.: 42,587
Lin C. Hsu	Registration No.: 46,315
Patrick W. Ma	Registration No.: 44,215
Ronald M. Pomerenke	Registration No.: 43,009
John F. Ryan	Registration No.: 47,050
William A. Zarbis	Registration No.: 46,120
Matthew J. Blecher	Registration No.: 46,558
Lawrence R. Goerke	Registration No.: 45,927

Send Correspondence to:

WAGNER, MURABITO & HAO LLP

Two North Market Street
Third Floor
San Jose, California 95113
(408) 938-9060

Signatures

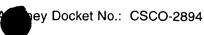
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Sole/First Invento	r: Mark E	Buonanno	
Inventor's Signature			Date
Residence		Citizenship	
(City	State)		
P.O. Address			
Full Name of Second/Joint Inv	entor: Chris	Shenefiel	
Inventor's Signature			Date
Residence Oakton, VA		Citizenship	US
(City	State)		***************************************
P.O. Address 2807 Rife	l Ridge Road	l, Oakton, VA 22124	

Page 2

Full Name of Third/J	loint Inventor:	Michael	Swailes	•••••		***************************************
Residence Pleas	santon, CA			Citizenship	Date USA	X & 1007 3000
	y Sta			03 04566		
P.O. Address	962 Nicosia	Court, Ple	asanton,	CA 94566	•••••	
Full Name of Fourth	/Joint Inventor:	Stephen	Quatrano	<u> </u>		
Inventor's Signature)				Date	
Residence				Citizenship		
(City		ate)		•		
P.O. Address `´´		•				
411411	***************************************	••••••			*****	
Full Name of Fifth/Jo	oint Inventor:	Brian Ca	rrier	•••••		
Inventor's Signature)				Date	••••••
Residence	***************************************			Citizenship		
(City	y Sta	ate)	•			
P.O. Address						

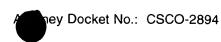




Declaration and Power of Attorney for a Patent Application

Declaration

MULTIMEDIA B2B O	PPORTUNITY AND ERRO	OR DETECTION	AND RESOLUTION	ON ENGINE	
the specification of wh	nich:			•	
x is attached here was filed on was amer	as app	olication serial no.		: : and	
	ave reviewed and understed by any amendment refe			entified specification	on, including
	y to disclose information v 37, Code of Federal Regi			on of this applicatio	n in
Foreign Priority	Claim				
for patent or inventor's	priority benefits under Tit certificate listed below a aving a filing date before t	nd have also ider	ntified below any	foreign application	n application(s
Number	Country	Date Filed	Priority Claimed	I	
			yes	no	
			yes	no	
U.S. Priority CI	aim				
application(s) listed be in the prior United Stat Section 112, I acknow Regulations, Section 1	nefit under Title 35, United Flow and, insofar as the su tes application in the man Fledge the duty to disclose I.56(a) which occurred be g date of this application:	ubject matter of ea iner provided by t material informa	ach of the claims the first paragrap ation as defined in	of this application h of Title 35, Unite n Title 37, Code of	is not disclosed ed States Code, f Federal
Serial Number	Filing Date	Status	(patented/pendi	ing/abandoned)	
				•	



As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent Trademark Office connected therewith.

James P. Hao	Registration No.: 36,398
Anthony C. Murabito	Registration No.: 35,295
John P. Wagner	Registration No.: 35,398
Glenn D. Barnes	Registration No.: 42,293
Rick G. Brewster	Registration No.: 35,077
Thomas M. Catale	Registration No.: 46,434
Jose S. Garcia	Registration No.: 43,628
Kenneth N. Glass	Registration No.: 42,587
Lin C. Hsu	Registration No.: 46,315
Patrick W. Ma	Registration No.: 44,215
Ronald M. Pomerenke	Registration No.: 43,009
John F. Ryan	Registration No.: 47,050
William A. Zarbis	Registration No.: 46,120
Matthew J. Blecher	Registration No.: 46,558
Lawrence R. Goerke	Registration No.: 45,927

Send Correspondence to:

WAGNER, MURABITO & HAO LLP

Two North Market Street
Third Floor
San Jose, California 95113
(408) 938-9060

Signatures

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of So	ole/First Invent	or: Mark	Buonanno			
Inventor's Signa	ature			ſ	Date	
Residence	Sunnyvale,	CA 94087	***************************************			•••••••••••••••••••••••••••••••••••••••
••••	(City	State)				
P.O. Address	1113 Kni	ckerbocker	Drive, Sun	nyvale, CA 94	1087	
	***************************************	••••••		•••••••••••••••••••••••••••••••••••••••	************	
Full Name of Se	econd/Joint In	ventor: Chr	is Shenef	iel		
Inventor's Signa	ature			[Date	
Residence				Citizenship	US	***************************************
••••	(City	State)				
P.O. Address	2807 Rif	el Ridge Ro	oad, Oakton	VA 22124		

-ulf Name of Hillu/Joint inventor. MICHAEL Swalles	***************************************
•	
nventor's Signature	Date
Residence Pleasanton, CA	Citizenship USA
(City State)	
P.O. Address 1962 Nicosia Court, Pleasanton,	CA 94566
Full Name of Fourth/Joint Inventor: Stephen Quatran	0
	1 1
nventor's Signature X The Cutator Residence Lexington Massachusetts	Date X11 14 200
Residence Lexington Massachusetts	Citizenship USA
(City State)	
P.O. Address 76 Bloomfield Street, Lexington	, Massachusetts
	······································
Full Name of Fifth/Joint Inventor: Brian Carrier	
nventor's Signature	Date
nventor's Signature Residence Leesburg, VA	Citizenship USA
(City State)	
P.O. Address 622 Diskin Place, Leesburg, VA 2	20175





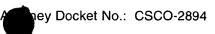
pey Docket No.: CSCO-2894

Declaration and Power of Attorney for a Patent Application

Declaration

MULTIMEDIA B2B	OPPORTUNITY AND E	RROR DETECTION	AND RESOLUTION	ON ENGINE	
the specification of	which:				
x is attached h was filed on was ar	as	application serial no		: and	
	I have reviewed and und nded by any amendment			entified specification	, including
	duty to disclose information tle 37, Code of Federal F			on of this application	in
Foreign Prior	ity Claim				
for patent or invent	ign priority benefits under or's certificate listed belov e having a filing date befo	w and have also ide	ntified below any	foreign application f	
Number	Country	Date Filed	Priority Claimed	i	
			yes	no	
			yes	no	
U.S. Priority	Claim				
application(s) listed in the prior United S Section 112, I ackr Regulations, Section	benefit under Title 35, Un I below and, insofar as the States application in the r nowledge the duty to discl on 1.56(a) which occurred iling date of this application	e subject matter of e nanner provided by ose material inform d between the filing	each of the claims the first paragrap ation as defined i	of this application is h of Title 35, United n Title 37, Code of F	not disclosed States Code, ederal
Serial Number	Filing Date	Status	(patented/pend	ing/abandoned)	
,					





As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent Trademark Office connected therewith.

James P. Hao	Registration No.: 36,398
Anthony C. Murabito	Registration No.: 35,295
John P. Wagner	Registration No.: 35,398
Glenn D. Barnes	Registration No.: 42,293
Rick G. Brewster	Registration No.: 35,077
Thomas M. Catale	Registration No.: 46,434
Jose S. Garcia	Registration No.: 43,628
Kenneth N. Glass	Registration No.: 42,587
Lin C. Hsu	Registration No.: 46,315
Patrick W. Ma	Registration No.: 44,215
Ronald M. Pomerenke	Registration No.: 43,009
John F. Ryan	Registration No.: 47,050
William A. Zarbis	Registration No.: 46,120
Matthew J. Blecher	Registration No.: 46,558
Lawrence R. Goerke	Registration No.: 45,927

Send Correspondence to:

WAGNER, MURABITO & HAO LLP

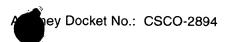
Two North Market Street
Third Floor
San Jose, California 95113
(408) 938-9060

Signatures

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's Signature Date	
Residence Sunnyvale, CA 94087 Citizenship USA	*************
(City State)	*************
P.O. Address 1113 Knickerbocker Drive, Sunnyvale, CA 94087	
Full Name of Second/Joint Inventor: Chris Shenefiel	
Inventor's Signature Date	
Residence Oakton, VA Citizenship US	***************************************
(City State) P.O. Address 2807 Rifel Ridge Road, Oakton, VA 22124	*************





Full Name of Third/Joint Inventor: Michael Swailes	••••••••••	
Inventor's Signature	ľ	Date
Residence Pleasanton, CA	Citizenship	USA
(City State)		
P.O. Address 1962 Nicosia Court, Pleasanton,	CA 94566	
2. 4		- •
Full Name of Fourth/Joint Inventor: Stephen Quatran	0	
Inventor's Signature Residence (City State)	[Date
Residence	Citizenship	
P.O. Address		
Full Name of Fifth/Joint Inventor: Brian Carrier		
Inventor's Signature & Brin L. Carrier Residence Leesburg, VA (City State)	_	
Inventor's Signature & Jun 2 Carrer	[Date X (1/20/00
Residence Leesburg, VA	Citizenship	USA [/
P.O. Address 622 Diskin Place, Leesburg, VA	20175	•